

Draft Minutes

ASC OP/TF 1 –Committee for Optics and Electro-Optical Instruments – Optical Glass
June 20, 2014 14:00 EDT

Teleconference

1. Welcome and Introductions

Hal Johnson called the meeting to order at 14:05. In attendance were Dave Aikens, Gordon Boulton, Donna Howland, and Allen Krisiloff. Quorum was established.

2. Approval of the agenda

Allen Krisiloff motioned to accept the agenda modified to add an item to review OP1.0110-18, the motion was seconded by Gordon Boulton and the motion passed.

3. Approval of the minutes for the August meeting

Allen Krisiloff moved to accept the minutes from the February 2014 meeting, Gordon Boulton seconded and the motion carried.

4. Group discussions

a. Review “Straw dog” standard

Dave Aikens walked through the draft of OP1.2123, since Hal’s computer was on the blink. In the process, Gordon Boulton noted that, in section 3.6, we use the term n_d and v_d when we should use n_d and v_d . We should do a global check of these to make sure we didn’t do it somewhere else. He also observed that we use a hyphenated version of cutoff, when it should be a single word. No other significant issues have been raised in the ballot.

The key addition to this standard from the ISO version is the grade labels, and so we looked at the various grade labels and then the associated grades, which are unchanged from the ISO version. Some concerns remain, though, that they are not necessarily consistent with standard practice. Looking at grade labels naturally led to reviewing the glass analysis spreadsheet.

b. Review Glass Analysis Spreadsheet

Walt Czajkowski did an outstanding job of pulling together all the different ways that the glass companies have standardized the many glass parameters, and compared them to the current ISO definitions of grades.

In reviewing this carefully, we found that there were several cases where the glass manufacturers and the standards are out of sync. In some cases, ISO 10110, or some or all of the glass suppliers, have the higher grades indicating a tighter tolerance, and in other cases the reverse is true. In addition, there are cases where the glass suppliers follow the ISO in terms of the magnitude of the grades, and other cases where they do not, or where they all are the same but ISO 10110 is out of step. We need to decide how to cope with this, so that we are making a standard which will not be ignored, either because the glass companies won't support it or the design community won't use it.

Hal Johnson asked Dave Aikens to go ahead and circulate a request for information to the entire OP, along with the current draft and the glass analysis spreadsheet, and see if we can get some more vision or guidance into how to proceed.

c. Review Draft of OP1.0110-18

The early draft of OP1.110-18 was added to the agenda upon Allen Krisiloff's request at the beginning of the meeting. It is a slimmed-down version of the draft under study in ISO TAG172/SC1/WG2.

Allen Krisiloff brought attention to the definitions proposed for talking about bubbles (Section 4). Problem to be solved is that many users don't realize that very tiny bubbles are ignored. Some vocabulary might help increase awareness and simplify statement of the accumulation and concentration rules. Need some time to think about it. No immediate comments.

Allen Krisiloff asked if he solved the concentration conundrum with the statement that for less than 10 bubbles present, 2 or more must be concentrated to fail a part. (Section 4.3). Language is straight from ISO 12123.

Allen then described the logic behind the informative annexes. By removing informative material from the normative body, the normative sections become smaller and easier to understand. And it is easy to add material to informative annexes if cases or examples must be explained for different kinds of material.

The committee will study the draft, and review at the next meeting.

5. Time and place for next meeting

Gordon Boulton moved that we next meet by teleconference on Friday, October 17, 2014 at 14:00 EST. Allen Krisiloff seconded, and the motion carried.

6. Adjourn

At 15:20, Donna Howland moved we adjourn. Gordon Boulton seconded, and the motion carried.